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TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page for STN Seminar Schedule - N. America
NEWS 2 AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS 3 AUG 06 FSTA enhanced with new thesaurus edition
NEWS 4 AUG 13 CA/Capplus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20 CA/Capplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27 Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27 USPATOLD now available on STN
NEWS 8 AUG 28 CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07 STN AnaVist, Version 2.0, now available with Derwent World Patents Index
NEWS 10 SEP 13 FORIS renamed to SOFIS
NEWS 11 SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12 SEP 17 CA/Capplus enhanced with printed CA page images from 1967-1998
NEWS 13 SEP 17 Capplus coverage extended to include traditional medicine patents
NEWS 14 SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15 OCT 02 CA/Capplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19 BEILSTEIN updated with new compounds
NEWS 17 NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18 NOV 19 WPIX enhanced with XML display format
NEWS 19 NOV 30 ICSD reloaded with enhancements
NEWS 20 DEC 04 LINPADOCDB now available on STN
NEWS 21 DEC 14 BEILSTEIN pricing structure to change
NEWS 22 DEC 17 USPATOLD added to additional database clusters
NEWS 23 DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24 DEC 17 DGENE now includes more than 10 million sequences
NEWS 25 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 26 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27 DEC 17 CA/Capplus enhanced with new custom IPC display formats
NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available
NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS LOGIN Welcome Banner and News Items
NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 16:03:25 ON 22 JAN 2008

=> file registry		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:03:45 ON 22 JAN 2008
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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

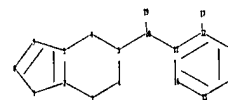
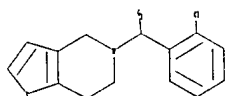
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10-598790genA.str



chain nodes :

10 17 19

ring nodes :

1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds :

5-10 10-11 10-19 12-17

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 7-8 8-9 11-12 11-16 12-13 13-14 14-15
15-16

exact/norm bonds :

1-2 1-6 2-3 2-7 3-4 3-9 4-5 5-6 5-10 7-8 8-9 10-19

exact bonds :

10-11 12-17

normalized bonds :

11-12 11-16 12-13 13-14 14-15 15-16

G1:C,H

Match level :

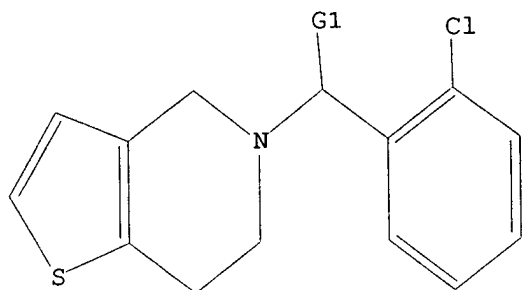
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 19:CLASS

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

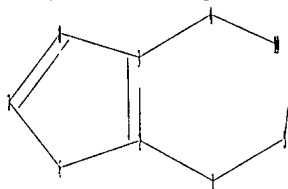
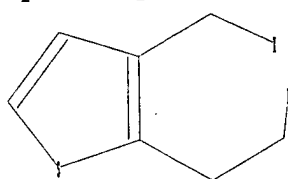
L1 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10-598790genB.str



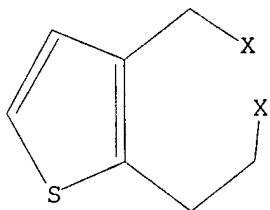
chain nodes :
1 4 5 10 11
ring nodes :
2 3 6 7 8
chain bonds :
1-2 1-5 3-4 4-10 5-11
ring bonds :
2-3 2-6 3-8 6-7 7-8
exact/norm bonds :
2-3 2-6 3-8 6-7 7-8
exact bonds :
1-2 1-5 3-4 4-10 5-11

G1:C,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS

L2 STRUCTURE UPLOADED

=> d 12
L2 HAS NO ANSWERS
L2 STR



G1 C,H

Structure attributes must be viewed using STN Express query preparation.

=> s l1 full

FULL SEARCH INITIATED 16:04:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3051 TO ITERATE

100.0% PROCESSED 3051 ITERATIONS 445 ANSWERS
SEARCH TIME: 00.00.01

L3 445 SEA SSS FUL L1

=> s l2 full

FULL SEARCH INITIATED 16:05:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1780 TO ITERATE

100.0% PROCESSED 1780 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

L4 7 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
357.18	357.39

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 16:05:15 ON 22 JAN 2008
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FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L5 2375 L3

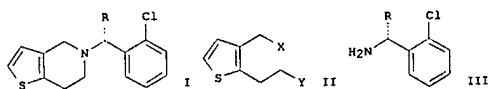
=> s 14

L6 5 L4

=> s 15 and 16

L7 1 L5 AND L6

=> d 17 abs ibib hitstr



AB Title compds. (I: R = H, MeO2C), were prepared by reaction of thiophene derivs. (II: X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III: R as above). Thus, 2-(2-bromoethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 78% Ticlopidine.

ACCESSION NUMBER: 2005:1026954 CAPLUS

DOCUMENT NUMBER: 143:326345

TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives

INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Kim, Hee Seock; Ha, Tae

PATENT ASSIGNEE(S): Hee Suh, Kwee-Hyun; Lee, Gwan Sun

SOURCE: Hanmi Pharm. Co., Ltd., S. Korea

DOCUMENT TYPE: PCT Int. Appl., 31 pp.

LANGUAGE: CODEN: PIXXD2

FAMILY ACC. NUM. COUNT: Patent

PATENT INFORMATION: English

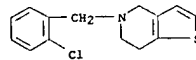
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005087779	A1	20050922	WO 2005-KR586	20050303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TH, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
KR 2005091330	A	20050915	KR 2004-16714	20040312
AU 2005222016	A1	20050922	AU 2005-222016	20050303
CA 2559571	A1	20050922	CA 2005-2559571	20050303
EP 1723149	A1	20061122	EP 2005-721898	20050303
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1930172	A	20070314	CN 2005-8008059	20050303
BR 2005008597	A	20070821	BR 2005-8597	20050303
JP 2007528895	T	20071018	JP 2007-502702	20050303
MX 2006PA10326	A	20061207	MX 2006-PA10326	20060911
US 2007197789	A1	20070823	US 2006-598790	20060912
IN 2006DN05824	A	20070831	IN 2006-DN5824	20061006
PRIORITY APPLN. INFO.:			KR 2004-16714	A 20040312

OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345
IT 55142-85-3P, Ticlopidine 113665-84-2P, Clopidogrel
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines

and hydroxymethylthiopheneethanol derivs.)

RN 55142-85-3 CAPLUS

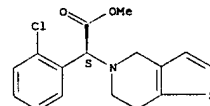
CN Thieno[3,2-c]pyridine, 5-[(2-chlorophenyl)methyl]-4,5,6,7-tetrahydro- (CA INDEX NAME)



RN 113665-84-2 CAPLUS

CN Thieno[3,2-c]pyridine-5(4H)-acetic acid, α -(2-chlorophenyl)-6,7-dihydro-, methyl ester, (aS)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

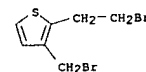


IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines

and hydroxymethylthiopheneethanol derivs.)

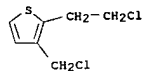
RN 865187-82-2 CAPLUS

CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS

CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log hold
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.89	364.28

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.80	-0.80

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SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:06:58 ON 22 JAN 2008

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTADEG1625

PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 16:10:39 ON 22 JAN 2008
FILE 'CAPLUS' ENTERED AT 16:10:39 ON 22 JAN 2008
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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
6.89	364.28

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.80	-0.80

CA SUBSCRIBER PRICE

=> d hist

(FILE 'HOME' ENTERED AT 16:03:25 ON 22 JAN 2008)

FILE 'REGISTRY' ENTERED AT 16:03:45 ON 22 JAN 2008

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 445 S L1 FULL
L4 7 S L2 FULL

FILE 'CAPLUS' ENTERED AT 16:05:15 ON 22 JAN 2008

L5 2375 S L3
L6 5 S L4
L7 1 S L5 AND L6

=> file registry

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
7.37	364.76

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-0.80	-0.80

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FILE 'REGISTRY' ENTERED AT 16:11:00 ON 22 JAN 2008

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STRUCTURE FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3
DICTIONARY FILE UPDATES: 21 JAN 2008 HIGHEST RN 1000370-19-3

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

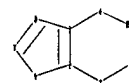
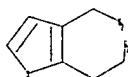
Please note that search-term pricing does apply when
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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10-598790genC.str



chain nodes :

```

1  4  5 10 11
ring nodes :
2  3  6  7  8
chain bonds :
1-2  1-5  3-4  4-10  5-11
ring bonds :
2-3  2-6  3-8  6-7  7-8
exact/norm bonds :
2-3  2-6  3-8  4-10  5-11  6-7  7-8
exact bonds :
1-2  1-5  3-4

```

G1:C,H

G2:X,S,Cl,Br,I

Match level :

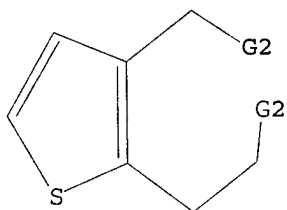
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 10:CLASS 11:CLASS

L8 STRUCTURE UPLOADED

=> d l8

L8 HAS NO ANSWERS

L8 STR



G1 C,H

G2 X,S,Cl,Br,I

Structure attributes must be viewed using STN Express query preparation.

=> s l8 full

FULL SEARCH INITIATED 16:11:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1842 TO ITERATE

100.0% PROCESSED 1842 ITERATIONS
SEARCH TIME: 00.00.01

7 ANSWERS

L9 7 SEA SSS FUL L8

=> file caplus

COST IN U.S. DOLLARS

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY

178.82

SINCE FILE

TOTAL
SESSION

543.58

TOTAL

CA SUBSCRIBER PRICE

ENTRY	SESSION
0.00	-0.80

FILE 'CAPLUS' ENTERED AT 16:11:57 ON 22 JAN 2008
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FILE COVERS 1907 - 22 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 21 Jan 2008 (20080121/ED)

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<http://www.cas.org/infopolicy.html>

=> s 19

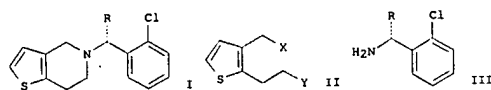
L10 5 L9

=> s 15 and l10

L11 1 L5 AND L10

=> d l11 abs ibib hitstr

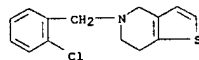
=> d 110 1-5 abs ibib hitstr



AB Title compds. (I: R = H, MeO2C), were prepared by reaction of thiophene derivs. (II: X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III: R as above). Thus, 2-(2-bromoethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 781 Ticlopidine.
ACCESSION NUMBER: 2005:1026954 CAPLUS
DOCUMENT NUMBER: 143:326345
TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives
INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Kim, Hee Seock; Ha, Tae Hee; Suh, Kwee-Hyun; Lee, Gwan Sun
PATENT ASSIGNEE(S): Hanmi Pharm. Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 31 pp.
DOCUMENT TYPE: CODEN: PIXXD2
LANGUAGE: Patent
FAMILY ACC. NUM. COUNT: English
PATENT INFORMATION: 1

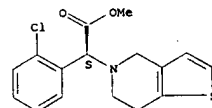
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005087779	A1	20050922	WO 2005-KR586	20050303
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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AU 2005222016	A1	20050922	AU 2005-222016	20050303
CA 2559571	A1	20050922	CA 2005-2559571	20050303
EP 1723149	A1	20061122	EP 2005-721898	20050303
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
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MX 2006PA10326	A	20061207	MX 2006-PA10326	20060911
US 2007197789	A1	20070823	US 2006-598790	20060912
IN 2006DN05824	A	20070831	IN 2006-DN5824	20061006
PRIORITY APPLN. INFO.:			KR 2004-16714	A 20040312

OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345
IT 55142-85-3P, Ticlopidine 113665-84-2P, Clopidogrel
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivs.)
RN 55142-85-3 CAPLUS
CN Thieno[3,2-c]pyridine, 5-[(2-chlorophenyl)methyl]-4,5,6,7-tetrahydro- (CA INDEX NAME)

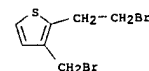


RN 113665-84-2 CAPLUS
CN Thieno[3,2-c]pyridine-5(4H)-acetic acid, α-(2-chlorophenyl)-6,7-dihydro-, methyl ester, (αS)- (CA INDEX NAME)

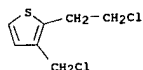
Absolute stereochemistry. Rotation (+).



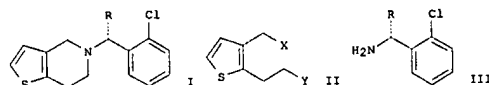
IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivs.)
RN 865187-82-2 CAPLUS
CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS
CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

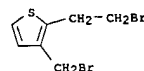


AB Title compds. (I: R = H, MeO2C), were prepared by reaction of thiophene derivs. (II: X, Y = Cl, Br, mesyloxy, tosyloxy) with chlorobenzylamines (III: R as above). Thus, 2-(2-bromoethyl)-3-bromomethylthiophene (preparation given), 2-chlorobenzylamine, and diisopropylamine were refluxed together for 5 h in MeCN to give 781 thiopyridine.

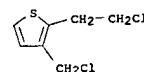
ACCESSION NUMBER: 2005:1026954 CAPLUS
DOCUMENT NUMBER: 143:326345
TITLE: preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivatives
INVENTOR(S): Yun, Sangmin; Kim, Eun Sook; Kim, Hee Seock; Ha, Tae Hee; Suh, Kwee-Hyun; Lee, Gwan Sun
PATENT ASSIGNEE(S): Hammi Pharm. Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005087779	A1	20050922	WO 2005-KR586	20050303
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, GU, HD, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SE, SG, SK, SL, SM, SY, AZ, BY, BG, KE, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
KR 2005091330	A	20050915	KR 2004-16714	20040312
AU 2005222016	A1	20050922	AU 2005-222016	20050303
CA 2559571	A1	20050922	CA 2005-2559571	20050303
EP 1723149	A1	20061122	EP 2005-721898	20050303
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			
CN 1930172	A	20070314	CN 2005-8008059	20050303
BR 2005008597	A	20070821	BR 2005-8597	20050303
JP 2007528895	T	20071018	JP 2007-502702	20050303
MX 2006PA10326	A	20061207	MX 2006-PA10326	20060911
US 2007197789	A1	20070823	US 2006-598790	20060912
IN 2006DN05824	A	20070831	IN 2006-DN5824	20061006
PRIORITY APPLN. INFO.:			KR 2004-16714	A 20040312

OTHER SOURCE(S): CASREACT 143:326345; MARPAT 143:326345
IT 865187-82-2P 865187-83-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of chlorobenzylthienopyridines from chlorobenzylamines and hydroxymethylthiopheneethanol derivs.)
RN 865187-82-2 CAPLUS
CN Thiophene, 2-(2-bromoethyl)-3-(bromomethyl)- (CA INDEX NAME)



RN 865187-83-3 CAPLUS
CN Thiophene, 2-(2-chloroethyl)-3-(chloromethyl)- (CA INDEX NAME)



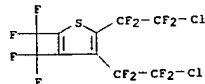
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

AB Approaches to tetrakis(2-chlorotetrafluoroethyl)tetrahydrene from 1,6-dichlorooctafluoro-3-hexyne were explored. The synthesis and chemical

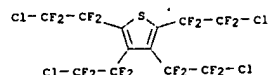
are described of cyclopropenyl ketenimines, a Dewar thiophene [i.e., 1,2,3,4-tetrakis(1-chloro-1,1,2,2-tetrafluoroethyl)-5-thiabicyclo[2.1.0]pent-2-ene] and a cyclobutadienetricarbonyliron complex derived from this acetylene.

ACCESSION NUMBER: 2000:200704 CAPLUS
DOCUMENT NUMBER: 133:30529
TITLE: Synthetic approaches to a fluorinated tetrahydrene
AUTHOR(S): Smith, J. R.; Lemal, D. M.
CORPORATE SOURCE: Department of Chemistry, Dartmouth College, Hanover, NH, USA
SOURCE: Journal of Fluorine Chemistry (2000), 102(1-2), 323-332
CODEN: JFLCAR; ISSN: 0022-1139
PUBLISHER: Elsevier Science S.A.
DOCUMENT TYPE: Journal
LANGUAGE: English

IT 272788-57-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 272788-57-5 CAPLUS
CN 2-Thiabicyclo[3.2.0]hepta-1(5),3-diene, 3,4-bis(2-chloro-1,1,2,2-tetrafluoroethyl)-6,6,7,7-tetrafluoro- (9CI) (CA INDEX NAME)



IT 272788-55-3P, Tetrakis(2-chloro-1,1,2,2-tetrafluoroethyl)thiophene
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthetic approaches to tetrakis(chlorotetrafluoroethyl)tetrahydrene)
RN 272788-55-3 CAPLUS
CN Thiophene, tetrakis(2-chloro-1,1,2,2-tetrafluoroethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

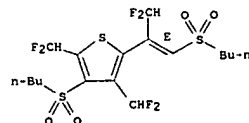
AB 1-(Alkylthio)difluoropropynes regioselectively add dialkylamines and mercaptans with formation of 1-(alkylthio)-2-dialkylamino(alkylthio)ethene s, which exist only in the form of one, presumably the trans geometrical isomer. Thermal transformation of 1-(alkylthio)difluoropropynes occurs at

a temperature of under 100°C and leads to the formation of 2,4-bis(polyfluoroalkyl)-3-(alkylthio) thiophenes.

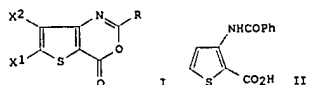
ACCESSION NUMBER: 1998:228321 CAPLUS
DOCUMENT NUMBER: 128:270479
TITLE: 1-(Alkylthio)polyfluoroalkynes. Reactions with mercaptans and thermal transformations
AUTHOR(S): Shermolovich, Yuri G.; Timoshenko, Vadim M.; Musyanovich, Rostislav Ya.; Povolotsky, Mark I.; Pirozhenko, Vladimir V.; Markovsky, Leonid N.
CORPORATE SOURCE: Institut of Organic Chemistry, National Academy of Sciences, 253660, Ukraine
SOURCE: Heteroatom Chemistry (1998), 9(2), 151-154
CODEN: HETCE8; ISSN: 1042-7163
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 128:270479

IT 205521-96-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 205521-96-6 CAPLUS
CN Thiophene, 3-(butylsulfonyl)-5-[2-(butylsulfonyl)-1-(difluoromethyl)ethenyl]-2,4-bis(difluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

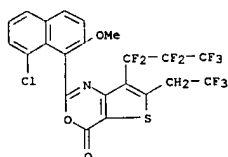


AB Thienooxazinone derivs. (I: R = (substituted) alkyl, Ph, naphthyl; X1, X2 = H, halo, CO2H, NO2, OH, cyano, etc.) are prepared Refluxing a solution of thiophene derivative II in HOAc-Ac2O at 120° gave 76.7% I (R = Ph, X1 = X2 = H), which killed 100% Abutilon avicennae, Amaranthus retroflexus, etc., and 80% barnyard grass at 1000 gal/10 are as a dilute aqueous spray. Also

prepared and tested were 119 addnl. I.
ACCESSION NUMBER: 1992:214514 CAPLUS
DOCUMENT NUMBER: 116:214514
TITLE: Preparation of thienooxazinone derivatives as fungicides and herbicides
INVENTOR(S): Ishizaki, Masahiko; Osada, Seiji; Kobutani, Tadashi
PATENT ASSIGNEE(S): Tokuyama Soda Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 20 pp.
CODEN: JKKXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

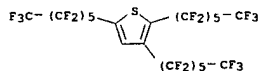
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03279387	A	19911210	JP 1990-78635	19900329
JP 2515059	B2	19990705	JP 1990-78635	19900329

PRIORITY APPLM. INFO.:
OTHER SOURCE(S): MARPAT 116:214514
IT 140425-40-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as fungicide and herbicide)
RN 140425-40-7 CAPLUS
CN 4H-Thieno[3,2-d][1,3]oxazin-4-one,
2-(8-chloro-2-methoxy-1-naphthalenyl)-7-
(heptafluoropropyl)-6-(2,2,2-trifluoroethyl)- (9CI) (CA INDEX NAME)



AB Reactions between n-C6F13I, Cu, and various bromoheterocyclic compds. in DMSO provide a convenient method for the perfluoroalkylation of heterocyclic compds. By this method perfluoroalkylated products of pyridine and pyrimidine were synthesized in near quant. yields. Perfluoroalkylation of bromofurans and bromothiophenes also provided good yields of perfluoroalkylated products, however, competing reactions also yielded various byproducts indicative of reductive dehalogenation, homocoupling, poly-substitution beyond the number of C-Br bonds in the starting heterocyclic compound and formation of structural isomers.

ACCESSION NUMBER: 1990:440405 CAPLUS
DOCUMENT NUMBER: 113:40405
TITLE: Polyfluoroalkylation of bromoheterocyclic compounds via perfluoroalkylcopper intermediates
AUTHOR(S): Chen, Grace J.; Tamborski, Christ
CORPORATE SOURCE: Res. Inst., Univ. Dayton, Dayton, OH, 45469, USA
SOURCE: Journal of Fluorine Chemistry (1990), 46(1), 137-59
CODEN: JFLCAR; ISSN: 0022-1139
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:40405
IT 128032-25-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 128032-25-7 CAPLUS
CN Thiophene, 2,3,5-tris(tridecafluorohexyl)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
51.42	595.00

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-4.80	-5.60

CA SUBSCRIBER PRICE

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 16:35:10 ON 22 JAN 2008